

Product Insert

AimPlex™ Analyte Kit

Rat Th1/Th2/Th17 7-Plex (96 Tests)

PN: C371107

COMPONENTS

1x Ab-conjugated beads (premixed 7-plex). PN: C371107A. One bottle containing 5 mL of the following AimPlex antibody-bead conjugates:

S4P4 - anti-rat IL-4
S4P6 - anti-rat IL-6
S4P9 - anti-rat IFN γ
S4P12 - anti-rat IL-2
S5P5 - anti-rat TNF α
S5P7 - anti-rat IL-17A
S5P10 - anti-rat IL-10

2x Biotin-detection Ab (premixed 7-plex). PN: C371107B. One vial containing 1.5 mL of the following biotinylated antibodies.

Biotin - anti-rat IL-4
Biotin - anti-rat IL-6
Biotin - anti-rat IFN γ
Biotin - anti-rat IL-2
Biotin - anti-rat TNF α
Biotin - anti-rat IL-17A
Biotin - anti-rat IL-10

2x Mouse/Rat dAb Diluent. PN: 07MRDX21. One vial containing 1.5 mL of biotin detection antibody diluent

Lyophilized Standard Mix-Rat Group 1 Panel A, 7-Plex. PN: RG10007. One vial containing lyophilized recombinant rat IFN γ , IL-2, IL-4, IL-6, IL-10, IL-17A, TNF α .

STORAGE: 2-8°C in the dark.

IMPORTANT: Sodium azide forms explosive compounds with heavy metals. These products contain <0.05% (w/w) azide which with repeated contact with lead and copper commonly found in plumbing drains may result in the buildup of shock sensitive compounds. Dispose in accordance with regulations from your institute.

APPLICATION: Optimal antibody pairs and antigen standards for assaying rat Th1/Th2/Th17 7-Plex Panel. To be used in conjunction with the AimPlex Basic Kit for Premixed Panels (PN: U100005) and a diluent kit. Refer to the AimPlex Multiplex Immunoassay User Manual and kit inserts for the assay procedure.

For Research Use Only. Not for use in diagnostic procedures.

Assay Specifications:

Sample types: Cell culture supernatant, serum, plasma, bodily fluid and tissue/cell lysate

	Sensitivity (LOD, pg/mL)	LLOQ (pg/mL)	ULOQ (pg/mL)
Rat IFNγ	< 2	< 5	> 5000
Rat IL-2	< 2	< 5	> 5000
Rat IL-4	< 2	< 5	> 5000
Rat IL-6	< 5	< 10	> 5000
Rat IL-10	< 5	< 10	> 5000
Rat IL-17A	< 5	< 10	> 5000
Rat TNFα	< 2	< 5	> 5000

Standard dose recovery: 70-130%

Intra-assay CV: < 10%

Inter-assay CV: < 20%

Cross-reactivity of analytes in the panel: Negligible

Sample volume: 15 μ L/test

Please contact Customer Service at 626-817-6366 with any questions or comments.

Thank you for your business!